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TO DOUBLE OUTPUT OF INSPECTION MACHINES;  
STRESS HIGH-SPEED, ELECTRIC-SPARK, PRECISION-CASTING METHODS

NEW AUTOMATIC CHECKS 600 BEARING RACES PER HOUR -- Tashkent, Pravda Vostoka,  
9 Jan 51

The experimental shop of the Leningrad Tool Plant has produced a new universal checking and sorting automatic which can process 600 bearing races per hour. The pneumatically powered machine takes the place of ten inspectors. Another new machine developed by the shop checks the diameter of cylindrical rollers. Its productivity is 4,000 rollers per hour. It replaces the hand labor of ten men.

At present, the shop is working on new automatics for checking automobile piston pins.

The 1951 output of inspection machines is scheduled to double the 1950 figure.

PRODUCE HEAVY GRINDING MACHINES -- Kiev, Pravda Ukrainy, 28 Dec 50

Introducing a new production technique, workers in ferrous metallurgy have asked the Kharkov Machine-Tool-Building Plant imeni Molotov to supply them with special bearings for cold-rolling mills. Now, 1½-meter races for these bearings are being ground on a rotary grinding machine at this plant.

This plant has also manufactured two large stone-grinding machines weighing up to 80 tons each for grinding granite pillars for tall buildings in Moscow.

The development of a new group of heavy cylindrical grinding machines for grinding 8-meter-long and one-meter-diameter parts has been started.

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DESIGN, BUILD 4 MODELS OF CUTTING-OFF MACHINES -- Tbilisi, Zarya Vostoka,  
14 Jan 51

During 1949 and 1950, four models of pipe and sleeve cutting-off machines were designed at the Tbilisi Machine-Tool-Building Plant imeni Kirov. These machine tools were tested and approved for production.

They were designed and built under the supervision of Meladze, plant director; and Berishvili, chief engineer. Outstanding workers in the project were Kulikov, chief designer; Abesadze and Fal'kovich, designers; Tserodze, deputy chief technologist; Tatrishvili and Stishko, technologists; Mdivani, chief of the machine shop; and Vardanashvili, his deputy; Spitsyn, chief of the assembly shop; and Glonti, Ukolov, Tsetskhladze, and Tenishev, Stakhanovites.

OVERHAUL BORING MACHINE TO CUT AT HIGH SPEEDS -- Alma-Ata, Kazakhstanskaya Pravda, 6 Mar 51

At Alma-Ata enterprises, more than 500 lathe, milling-machine, and boring-machine operators are using high-speed methods.

Milling-machine operator Pletnikov, at the Alma-Ata Heavy-Machine-Building Plant, is using high-speed methods on a horizontal-boring machine. This machine was overhauled by replacing a rigid drive with a flexible one, reinforcing certain units, and modernizing the attachment for grinding milling heads. After careful preparations, Pletnikov successfully increased its cutting speed from 30-40 meters per minute to 120-130. Reduction gears for a scraper-conveyer winch can now be machined twice as fast as formerly.

ELECTRIC-SPARK MACHINE TOOL WINS 2D PRIZE -- Leningradskaya Pravda, 6 Mar 51

Bordanov, a Stakhanovite-innovator at the Leningrad Kirov Plant, won second prize in a competition conducted by the Leningrad branch of the Scientific Engineering and Technical Society of Machine Builders for suggesting a design for a portable electric-spark machine tool.

PRECISION CASTING SAVES TONS OF METAL -- Tbilisi, Zarya Vostoka, 10 Mar 51

The production of many parts at the Kalibr Plant has been converted to precision casting. Dozens of tons of metal have been saved and the technological cycle has been shortened considerably.

BOOST LABOR PRODUCTIVITY WITH EXISTING RESERVES -- Moscow, Vechernyaya Moskva, 10 Mar 51

The Moscow Attachments Plant of the Ministry of Machine-Tool Building USSR supplies industrial enterprises with chucks for lathes. The continuously growing demand for these items has expanded the plant's program; however, it is impossible to add to the plant's facilities. Therefore, the productivity of available equipment must be increased.

To achieve this goal, suggestions have been made that young workers compete for a new increase in labor productivity by utilizing all technical reserves, and that advanced technological and machine-tool methods be introduced.

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TRIPLE PRODUCTION OF MACHINE TOOLS -- Tbilisi, Zarya Vostoka, 14 Jan 51

During 1950, Tbilisi enterprises produced 337 percent more metal-cutting machine tools than in 1940.

RENAME TOOL PLANT -- Tbilisi, Zarya Vostoka, 14 Mar 51

The Tbilisi Tool Plant of the Ministry of Local Industry Georgian SSR has been redesignated as a machinery plant.

WIN 9 STALIN PRIZES -- Moscow, Moskovskaya Pravda, 28 Feb 51

Five years ago, a scientific-technical council was organized at the Moscow Krasnyy proletariy Plant. Its staff consists of leading designers, technologists, engineers, shop chiefs, and other plant personnel, a total of 38 persons. Nine of these have been awarded Stalin Prizes.

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